

# METHOD AND APPARATUS FOR ADJUSTING COOLING IN PROJECTION SYSTEM

## Abstract

A method and apparatus for adjusting cooling in a projection system, mainly comprises a fan, a louver installed at an air outlet and a sensor neighbor therewith. The fan is allowed to rotate to drive air at a predetermined rotational speed when the projection system is turned on, the louver is at a predetermined open rate at this time and the sensor is used to detect air temperature. When the air temperature is risen gradually beyond a predetermined temperature, the open rate of the louver is first increased gradually; and, when the air temperature is risen continuously and the open rate of the louver reaches its maximum, the rotational speed of the fan is then increased. When the air temperature is lowered down and the rotational speed of the fan is higher than a predetermined rotational speed, the rotational speed of the fan is first decreased gradually; and, when the air temperature is continuously lowered down and the rotational speed of the fan is decreased reaches its predetermined speed, the open rate of the louver is then decreased gradually. The louver is closed when the

system is turned off. Therefore, an airflow resistance is decreased to increase a cooling efficiency so as to alleviate noise of fan by adjusting the open rate of the louver.